

USER MANUAL

HIFI 4x2 HDMI Matrix

Model No:HDMX0402HIFI

Enjoy the vivid world!

INTRODUCTION

Dear customer

Thank you for purchasing this product. For optimum performance and safety, please read these instructions carefully before connecting, operating or adjusting this product. Please keep this manual for future reference.

Our series of HDMI Converter, switchers, extenders, matrixes and splitters are designed to make you/E a/V device use more convenient, more comfortable, more productive and more cost-efficient.

The 4x2HIFI HDMI matrix access to four HDMI sinks with stereo audio output, using four HDMI sources. The matrix allows four HDMI devices to be switched or split easily to two HDMI compatible monitors or projectors. One of the HDMI outputs is with audio output by SPDIF or by 3.5mm Stereo Audio output. The Matrix can also be placed at the end of a long HDMI cable to regenerate the HDMI signal.

Our devices offers solutions for noise, space and security concerns, data center control, information distribution, conference room presentation, school and corporate training environments.

FEATURES

- Four HDMI input signals switched or split to two HDMI sink devices
- One of the HDMI outputs is with audio output by SPDIF and 3.5mm Stereo Audio Output
- Support 3D
- With HDMI-CEC function
- Support deep color 30bit, 36bit
- Support Blue-Ray 24/50/60fs/HD-DVD/xvYCC
- Digital audio format, as DTS-HD/Dolby-trueHD/LPCM7.1/DTS/Dolby-AC3/DSD
- Support signal retiming
- Support input up to 15metres AWG24 HDMI standard cable length, output up to 25metres AWG24 cable length
- Inputs can be switched with the IR remote control, also can be controlled by two buttons.
- The optical audio output format can be switched from Stereo Sound, DTS-HD/Dolby-trueHD/LPCM7.1/DTS/DOLBY-AC3/DSD by remote. The HIFI audio format is decided by the source film

- It can smartly jump over those input sources which are not connected.
- It can come back to the default the input 1 status when restarted or reset.
- LED Indicate: when someone source device or someone sink display device is working, the LED relative will come to light; when someone source is selected to any sink, the LED relative to the source will come to light.
- No loss of quality
- Installs in minutes
- Need DC5V/2A power supply

The accessories with the machines lists as picture :

1. 5V Power Adaptor
2. Remote
3. one pc of Manual

Power Adaptor



Remote



Physical Connection Showing Picture :



Figure 1.0 Front Panel Showing Picture

ON/OFF : Power Switch
POWER : Power Led Status Light
A : HDMI A output Led Status Light
A (1 - 4) : 1-4 input led status light when output from A
IR: IR Receiver
B : HDMI B output led status light
B (1 - 4) : 1-4 input led status light when output from B
A key: HDMI A output switch button
B key: HDMI B output switch button
Reset: Reset Button



Figure 1.1 Both sides of the side panels pictures

OUT-A: HDMI A output interface
SPDIF: SPDIF optical output interface
3.5mm audio signal output
OUT-B: HDMI B output interface
INPUT1: HDMI input interface

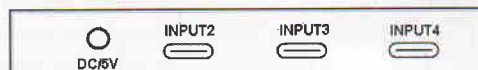


Figure 1.2 rear panel showing picture

DC/5V : 5V DC-DC Power Interface
INPUT2- INPUT4: HDMI input interface

Operating and Connecting :

1. Connect one cable from each HDMI source devices into HDMI Matrix inputs.
2. Connect one cable from each display (monitor or projector) into the HDMI Matrix outputs.
3. Connect audio output SPDIF or COAX with stereo Equipment.
4. Use the RMT-IR remote control port to remotely switch between sources.
5. Connect 5V power supply to the HDMI 4x2HIFI Matrix.

SPECIFICATIONS:		HDMX0402HIFI
HDMI resolution	24/50/60fs/1080p/1080i/720p/576p/576i/480p/480i	
Support video color format	24bit/deep color 30bit, 36bit	
Support audio format	DTS-HD/Dolby-trueHD/LPCM7.1/DTS/Dolby-AC3/DSD	
Audio output	SPDIF and 3.5mm Stereo	
Max transmission bandwidth	225MHz	
Max baud rate	6.75Gbps	
Input/Output TMDs signal	0.5~1.5Volts p-p	
Input/Output DDC signal	5Volts p-p (TTL)	
Input cable distance	≤15m AWG24 HDMI standard cable	
Output cable distance	≤25m AWG24 HDMI standard cable	
Max working current	900mA	
Power adapter format	Input:AC (50HZ, 60HZ) 100V-240V; Output: DC5V/2A	
Operating Temperature range	(-15 to +55°C)	
Operating Humidity range	5 to 90%RH (No Condensation)	
Dimension (L x W x H)	134x89x22 (mm)	
Weight	330g	

IR Remote Operating Instruction

1. Firstly take off the plastic film that inserted in the rear of remote board
2. The A and B signifies the HDMI A output and B output.
3. If the Signal output from A, Only press the number key below A line. Like after you press the 2 key under A line, the signal 2 will output from A.
4. It can control the optical audio output format by control the audio key in the remote board. The default audio format for optical is the same as the TV audio output- Stereo Sound. When press the audio key for first time, the optical audio outputs will become DTS-HD/Dolby-true

HD/LPCM7.1/DTS/Dolby-AC3/DSD] while the tv sound is off. For the second time to press the audio key, the optical audio output will go back normal as the default state. This operation can be done cyclically.

5. The plastic film is strongly advised to insert the rear of the remote board when the remote is not used for long time.

Notes:

- Pls use the machine as the instruction listed to keep the long use lifetime of the machine.
1. The machine should be placed at the spot far from the Damp, High-Temperature, Dusty, Erosive, and oxidative environment.
 2. All parts will be free from the strong shake, hit, fall.
 3. Touching the power adaptor with the wet hands is prohibited.
 4. Pls hold the power adaptor head and do not pull the power cord when cut off from the socket.
 5. Pls turn the power off when the machines is not used for long time.
 6. Pls do not open the cover and do not touch the inside parts.
 7. Pls use the original factory power adaptor.

Before power on, pls check the connection line carefully. And make sure that all interfaces are normally connected. The common trouble shooting way shows below:

Serial NO	Trouble Description	Cause and Ways to deal with
1	Non-Power-Connected	1. Check if the power adaptor head is truly and correctly inserted the power socket. 2. Check the power switch if it is in on status.
2	No Picture	1. Pls to make sure that the TV is on and has been connected with the machine. 2. To check if the signal source is on and well connected. 3. Check the system connection quality. 4. Check if the line is all good quality. 5. Check the cable quality
3	Obscure Picture	1. To try again to connect the cable to be free from the unsuccessful connection. 2. HDMI Cable Quality
4	Remote	1. Pls check if the film that stops the current has been taken out. 2. To check if the remote battery is working full.